basic imagery interpretation report

Pingba (Ping-pa) Propulsion System Research and Development Center (S)

STRATEGIC WEAPONS INDUSTRIAL FACILITIES

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10. (TSR) Other construction in the engineering/fabrication area included the enlargement of the motor vehicle storage facility. Several small sheds were razed and replaced by an L-shaped storage building (item 5).

Sea Level Static Aircraft Engine Test Cell Area

11. (TSR) There has been no major construction activity at or additions made to the sea level aircraft engine test facilities during the reporting period. Arnold Engineering Development Center (AEDC) engineers have estimated that the five sea level static engine test cells at Pingba are designed for a maximum engine airflow of 93 kilograms/second (kg/s) and a maximum engine thrust of 87 kilonewtons (kN) for turbojet engines with afterburner. For engines without afterburner, the maximum engine airflow is estimated at 102.5 kg/s and the maximum engine thrust at 70 kN.

Flight Altitude Simulation Aircraft Engine Test Cell Area

· / 11	ome internal difficulties or technical delays have been experi	
in the completion of the altitude	de simulation engine test cell building. Although the other ce	ompo-
nents of the test cell facility ha	ave been in place since October 1973,2 the augmentor sections	of the
diffuser system have not been	en installed (Figure 3). A separation between the circular	efflux
sections of the test cells and th	ne exhaust section can be seen on imagery of	On
imagery of	a light shed-type roof was observed extending over the entir	e rear
section of the test cell area, cov	vering a portion of the exhaust section (Figure 4). It is possibl	e that
preparation was underway for	installation of augmentor sections. In its present state, the al	titude
simulation test facility would be	be of limited or no value for its intended use. However, on the	basis
of the composition and size of	f the test cell building, it is estimated that the altitude simu	lation
engine test facility, when com	nplete, could accommodate the testing of engines with about	ut the
same thrust as those being test	ted in the sea level engine test cells (87 kN with afterburner).	1

13. (TSR) Since late 1976, four horizontal	l probable fuel tanks have been observed on the	
ground near the altitude simulation test cell bui	ilding (Figure 3). Two of the tanks are	25 X 1
long and in diameter. Another is	long and in diameter, and the	25 X 1
smallest tank is long and	in diameter. These tanks have remained in the	25X1
same relative positions with no indication of whe	ere they will finally be positioned at the facility.	

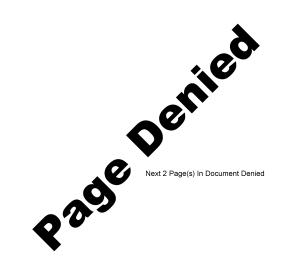
Testing Activity

14. (TSR) General activities at the sea level engine test cell buildings indicate that aircraft engine testing is being accomplished. Occasionally, several possible engine or engine component shipping containers, have been observed near the test cell facilities. However, because of the design and development function of the Pingba center, the number of aircraft engine shipping containers observed there has understandably been light. The relative proximity of the engineering/fabrication area to the test locations would probably allow engines and components that are to be tested to be transported directly to the test locations without the use of shipping containers.

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REFERENCES	
IMAGERY	
(TSR) All available, applicable KEYHOLE imagery acquired from was used in preparation of this report.	25X1 25X1
MAPS OR CHARTS	
SAC. US. Air Target Chart, Series 200, Sheet 0496-15, scale 1:200,000 (UNCLASSIFIED)	
DOCUMENTS	
1. DIA. DST-1830S-060-76-SAO, PRC Aerospace Development Supporting Resources (U), 23 Aug 76, pp 1 & 15 (TOP SECRET	25X1 25X1
2. NPIC. RCA-09/0013/75, Ping-pa Propulsion System Research and Development Center, Sep 74 (TOP SECRET	25 X 1 25 X 1
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REQUIREMENT	
COMIREX J02 Project 290008DJ	
(S) Comments and queries regarding this report are welcome. They may be directed to Forces Division, Imagery Exploitation Group, NPIC,	25X1 25X1

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